SITE INFORMATION

Revised: 5/4/98

Current Site Name:	Onsala
Other Site Name:	Onsala
Location:	Onsala, Sweden
Site Number:	120
Geographic Region:	Europe
Tectonic Plate:	Eurasian
General Site Description:	The station is located at the Onsala Space Observatory in Onsala, Sweden. At typical VLBI sites, both x and s bands are received by the same antenna. However, at Onsala, one antenna is used for each frequency: the 26.5 meter antenna receives s-band and the 20 meter antenna receives x-band signals. All of the results are referred back to the reference point of the 20-meter antenna.
Geological Province:	Archaean mountain rocks, southwest fennoscandia, 1200-1500 million years.
Local Geology:	Solid granite and gneiss.
Site Topo Map:	Unknown

CONTACT INFORMATION

Site Ownership:	SWEDEN
Site Management:	Onsala Space Observatory, Chalmers Univ. of Technology
Contact Person:	Dr. Gunnar K,
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MONUMENT INFORMATION

Revised: 5/4/98

Current Site Name:	Onsala
Location:	Onsala, Sweden
Site Number:	120
Number of Observing Monuments:	2
Surveyed into National Network?	Yes
Monument Number:	7212
Type of Monument:	Intersection of axes of the antenna
Monument Inscription:	None
Systems using Monument:	25.6 Meter VLBI Antenna
Latitude:	N 57° 23' 35.04927"
Longitude:	E 11° 55' 03.96958"
Elevation:	24.380 meters
Height above Ellipsoid:	58.395 meters
Geodetic Coordinate Source/Date:	ELIASSON / 01-FEB-86
Geodetic Coordinate Datum/Ellipsoid:	IERS ITRF94 (1993)
Elevation Datum:	Unknown
Source of Monument Geodetic Survey Ties:	
Comments:	This antenna receives only s-band signals. All data is transferred to the 20 meter antenna reference point.

Differential Coordinates

Monument Number	Monument Inscription	X	Y	Z
7213	NONE (13-1)	-360.106	451.487	166.752
—	1975 Doppler Ref Point (1001)	-60.506	65.157	11.443
—	Doppler Ref Point No. 3	-307.516	411.023	122.831
—	National Land Survery Triangulation	-202.197	5.746	138.871

Differential Coordinates

Monument Number	Monument Inscription	North	East	Up
7213	NONE (13-1)			
—	1975 Doppler Ref Point (1001)	44.701	76.249	-15.011

MONUMENT INFORMATION

Revised: 5/4/98

Current Site Name:	Onsala
Location:	Onsala, Sweden
Site Number:	120
Monument Number:	7213
Type of Monument:	Intersection of axes of the antenna
Monument Inscription:	None
Systems using Monument:	20 Meter VLBI Antenna
Latitude:	N 57° 23' 45.00853"
Longitude:	E 11° 55' 34.87185"
Elevation:	22.660 meters
Height above Ellipsoid:	59.266 meters
Geodetic Coordinate Source/Date:	ELIASSON / 01-FEB-86
Geodetic Coordinate Datum/Ellipsoid:	IERS ITRF94 (1993)
Elevation Datum:	
Source of Monument Geodetic Survey Ties:	
Comments:	This antenna receives x-band signals only. All baseline results refer to this antenna.

Differential Coordinates

Monument Number	Monument Inscription	X	Y	Z
7212	NONE (1000-1)	360.106	-451.487	-166.752
—	1975 Doppler Ref Point (1001)	299.601	-386.330	-155.309
—	Doppler Ref Point No. 3	52.590	-40.464	-43.921
—	National Land Survery Triangulation	157.909	-445.741	-27.881
—	Point #301 Survey Mark (GPS)	52.631	-40.464	-43.865

Monument Number	Monument Inscription	North	East	Up
—	1978 Doppler Ref Point (3)	-59.965	-50.462	-13.781

SITE SKETCH

Revised: 5/4/98

Current Site Name:	Onsala
Location:	Onsala, Sweden
Site Number:	120

OCCUPATION INFORMATION

Revised: 5/4/98

Current Site Name: Onsala
Location: Onsala, Sweden
Site Number: 120

SLR Occupations

Monument Number	Occupying System	Occupation Designator	Starting Date	Ending Date

No Previous Occupations

VLBI Occupations

Monument Number	Occupying System	Occupation Designator	Starting Date	Ending Date
7211	MV-2	72115201	28-Apr-92	01-May-92
7213	ONSALA60	72137701	24-Sep-77	———

GPS Occupations

Monument Name	Starting Date	Ending Date	Network
ONSA	01-Jul-91	------	IGS

Footpring Surveys

Survey	Starting Date	Source

No footprint surveys were completed. See the station description notes for geodetic ties to other local geodetic stations.